INDEX TO VOLUME 13

ALBEE, A. L., *see* EUGSTER, H. P.

APPLETON, J. D., Petrogenesis of Potassium-rich Lavas from the Roccamonfina Volcano, Roman Region, Italy 425

BENCE, A. E., *see* EUGSTER, H. P.

BURNHAM, C. WAYNE, *see* HOLLOWAY, JOHN R.

BUTLER, J. R., *see* RAGLAND, P. C.

COOPER, A. F., Progressive Metamorphism of Metabasic Rocks from the Haast Schist Group of Southern New Zealand 457

CROCKET, J. H., *see* MITCHELL, R. H.

CZAMANSKE, GERALD K., *and* MIHÁLIK, PETER. Oxidation During Magmatic Differentiation, Finnmarka Complex, Oslo Area, Norway: Part 1. The Opaque Oxides 493

DUCHESNE, JEAN-CLAIR. Iron–Titanium Oxide Minerals in the Bjerkrem-Sogndal Massif, South-Western Norway 57

DUNHAM, A. C., *see* THOMPSON, R. N.

ESSON, J., *see* THOMPSON, R. N.

EUGSTER, H. P., ALBEE, A. L., BENCE, A. E., THOMPSON, J. B., JR., *and* WALDBAUM, D. R. The Two-Phase Region and Excess Mixing Properties of Paragonite–Muscovite Crystalline Solutions 147

GANGULY, JIBAMITRA. Staurolite Stability and Related Parageneses: Theory, Experiments, and Applications 335

GIBSON, IAN L. The Chemistry and Petrogenesis of a Suite of Pantellerites from the Ethiopian Rift 31

HALLBERG, J. A. Geochemistry of Archæan Volcanic Belts in the Eastern Goldfields Region of Western Australia 45

HOLLOWAY, JOHN R., *and* BURNHAM, C. WAYNE. Melting Relations of Basalt with Equilibrium Water Pressure Less than Total Pressure 1

JOLLY, WAYNE T., *and* SMITH, RAYMOND E. Degradation and Metamorphic Differentiation of the Keweenawan Tholeiitic Lavas of Northern Michigan, U.S.A. 273

KUSHIRO, IKUO. Effect of Water on the Composition of Magmas Formed at High Pressures 311

MCCALLISTER, ROBERT H., *see* YUND, RICHARD A.

MIHÁLIK, PETER, *see* CZAMANSKE, GERALD K.

MITCHELL, R. H., *and* CROCKET, J. H. Isotopic Composition of Strontium in Rocks of the Fen Alkaline Complex, South Norway 83

RAGLAND, P. C., *and* BUTLER, J. R. Crystallization of the West Farrington Pluton, North Carolina, U.S.A. 381

SMITH, RAYMOND E., *see* JOLLY, WAYNE T.

STOUT, JAMES H. Phase Petrology and Mineral Chemistry of Coexisting Amphiboles from Telemark, Norway 99

STRONG, D. F. The Petrology of the Lavas of Grande Comore 181

THOMPSON, J. B., JR., *see* EUGSTER, H. P.

THOMPSON, R. N., ESSON, J., *and* DUNHAM, A. C. Major Element Chemical Variation in the Eocene Lavas of the Isle of Skye, Scotland 219

WALDBAUM, D. R., *see* EUGSTER, H. P.

WINCHESTER, J. A. The Petrology of Moinian Calc-Silicate Gneisses from Fannich Forest, and their Significance as Indicators of Metamorphic Grade 405

YOUNG, DAVIS A. A Quartz Syenite Intrusion in the New Jersey Highlands 511

YUND, RICHARD A., *and* MCCALLISTER, ROBERT H. An Experimental Study of Nepheline-Kalsilite Exsolution 255

ZECK, H. P. Transformation Trillings in Cordierite 367